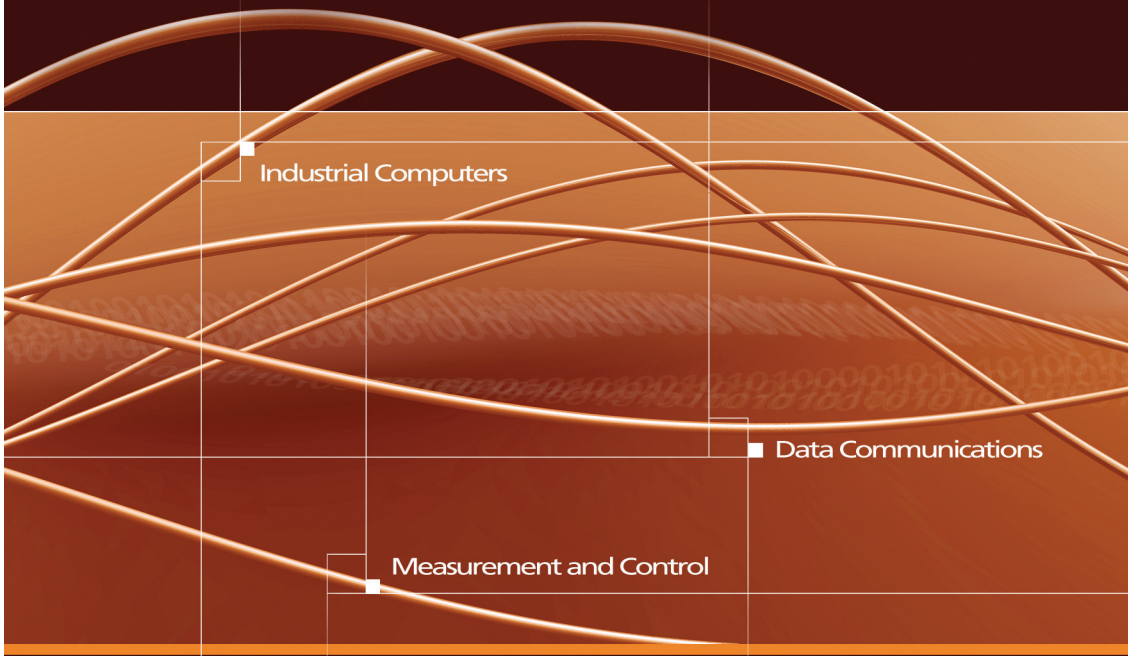
Amplicon

Computer user manual



Safety Instructions

Before you unpack your PC system, ensure you carefully read through this manual and follow any related safety or operational instructions.

Only suitably qualified and experienced personnel should work inside the computer.

Before commencing work within the PC ensure that the mains is disconnected from the PC and any attached peripherals.

Operation of your PC

Before operating your computer please: -

Read the equipment ratings plate and ensure that the mains circuit is suitably rated to power the equipment, to avoid risk of overloading. Do not use mains adaptors, or extenders.

Ensure that any cables connecting to the equipment are made safe and do not present a tripping hazard.

To avoid risk of electric shock ensure that equipment is plugged into a suitably grounded mains outlet. Only use the power cord supplied with your PC. Do not continue to use the cable if it is cut or damaged

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Ensure the chassis is kept away from heat sources, such as radiators and heating vents.

Chassis ventilation slots must be kept clear and not blocked. Failure to do so is likely to cause the unit to overheat and become unstable.

Avoid connecting the PC to an electrical supply which may have unacceptable interruptions, surges, spikes or noise. We recommend the use of an uninterruptible power supply (UPS), surge protector or mains conditioner to address the problem.

Rack Mounted Equipment

Please read this section carefully before assembling your industrial computer as part of an enclosure or multi-rack assembly. It is highly recommended that any work of this nature only be undertaken by competent, trained personnel. These guidelines must be read in conjunction with the user guide of the enclosure and any other equipment to be fitted.

· The maximum ambient operating temperature should not typically exceed 40°C. The operating ambient temperature of the rack environment may be greater than room temperature. The direct ambient environment must not exceed the maximum rating.

· Allow free airflow around the chassis for safe operation. Place any fans or blowers close to the heat generating devices. If using a fan, ensure that outside air is not brought inside the enclosure unless a fabric or other reliable filter is used. This filtration prevents conductive particles or other harmful contaminants from entering the enclosure.

· Ensure the rating of the mains power outlet is not overloaded. The total power taken by all the electrical devices must not exceed the maximum outlet rating. The total maximum rating can be ascertained by the cumulative maximum ratings of all the electrical devices running from the outlet. If the rating of any devices is in doubt, please contact the respective manufacturer.

· Care must be taken to ensure that all devices requiring a protective earth have a reliable earth connection, especially when the power is distributed by means of a power- strip. It is recommended that after assembly and prior to the application of ` power, an earth-bonding test be carried out. Earth requirements may vary depending upon your location, refer to any relevant local electric codes that provide data such as the size and types of conductors, colour codes and connections necessary for safe grounding of electrical components.

· Account for the unit's depth when choosing the depth of the enclosure.

· Consider accessibility, locations of accessories such as AC power outlets for installation and maintenance convenience.

Consideration must be given to overall mechanical stability. Please ensure adherence to the user instructions of your chosen enclosure or rack.

Typical weights of our Ventrix and Impact systems are: -

Ventrix / Impact 1xxx (1U)	>8kg
Ventrix / Impact 2xxx (2U)	>20kg
Ventrix / Impact 3xxx (3U)	>20kg
Ventrix / Impact 4xxx (4U)	>20kg
Ventrix / Impact 6xxx (6U)	>30kg

The weight of a system will increase when it is expanded. The weight of additional drives and plug-in cards must be considered.

Warning

When heavy equipment is extended on it's slide rails there is a danger that the rack could topple over. We recommend that the rack is secured to the floor or a suitable stabilising plinth is used.

Electrostatic Discharge Damage

When working on the inside of a PC system, you must be aware that many of the components are electrostatic discharge sensitive (ESD). These components can easily be damaged if suitable precautions are not taken. ESD damage is not always immediately apparent and may result in a failure many weeks later. When working on equipment we recommend the use of an ESD mat and wrist strap.

Caution

Components inside of the case can be damaged by electrostatic discharge (ESD). You must take suitable precautions to prevent likely ESD damage.

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Introduction

Thank you for purchasing your industrial computer from Amplicon Liveline Limited.

Your system has been assembled from quality components selected by our engineering team. For increased reliability, all our systems undergo an over night diagnostic test and a copy of the diagnostic report will be included with your system. If you have specified an operating system, this will be installed together with any additional plug-in cards, or software.

When you unpack your system you will find:

· This user guide
· A manual for the industrial single board computer, or motherboard
· Any specified plug-in card driver disks and manuals
· Any specified device software such as Nero, or Easy CD Creator
· Additional screws and fixings pack
· Any specified keyboard and mouse "Y" splitter
· Power cord
· Any specified keyboard, mouse or trackball
· Keys

Contents may vary, depending on specified configuration.

The intention of this user guide is to get you acquainted with your new system and provide general end-user information for the whole system. If you require more specific technical information, please refer to the component manuals that are included with your system.

Unpacking the system

Your system has been supplied in a custom designed heavy-duty cardboard box. It is recommended that you retain all packaging material for future shipping purposes.

We take great care when shipping our systems, but recommend that you take a moment to inspect your new system. If you have concerns that the unit has sustained transit damage. Contact our Support Department immediately.

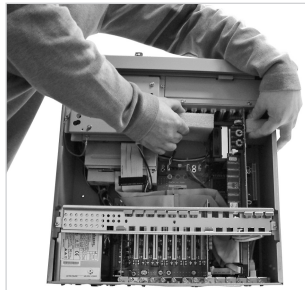
If your system features a single board computer (SBC), it will come with internal transit packing foam. Systems fitted with internal packing foam have an additional caution label across the power inlet. The packing foam safeguards against internal damage during transit.

Before you start using your new system, any internal packing foam must be removed. Anti-static precautions must be observed whilst removing the transit packing foam.

Removing transit packing foam

Locate and remove the screws securing the chassis top cover. Slide the top cover back and then lift it clear of the chassis. Carefully remove the pink packing foam, taking care not to disturb the internals of your system, ensuring cables are not snagged whilst removing the foam.

Retain the packing foam with the other packing materials. The chassis top cover can now be replaced and secured with the original screws.



Caution

Powering the system without removing the internal transit packing foam will result in damage

Installation

Making connections to your computer

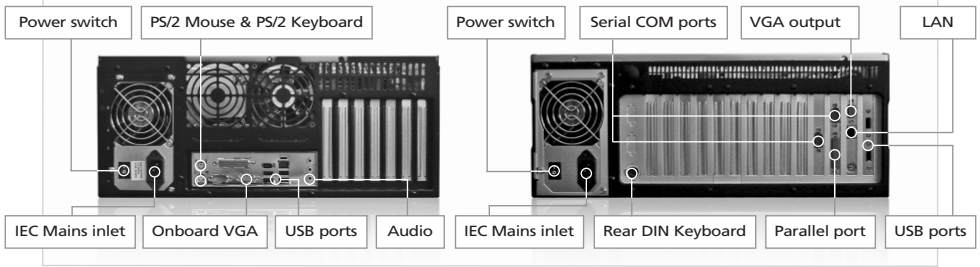
Our range of industrial computers utilise either single board computers or conventional ATX form factor motherboards. The exact positioning of each connector may vary slightly from your specific machine. For detailed information, please refer to the processor board manual supplied with your system.

Ensure that the mains power outlet is switched off and connect the mains power cord. Connect the external devices whilst referring to the connections shown in the photographs below. Some single board computer based systems use a "Y" splitter cable to breakout the keyboard and mouse PS/2 connections from the single connector on the system. Connect this cable to the rear PS/2 connector. The mouse and keyboard connections are clearly marked on the cable.

USB devices are designed to be hot-plugged, and may be connected when the system is running. Once all the devices are connected, the mains power outlet can be switched on and the unit turned on.

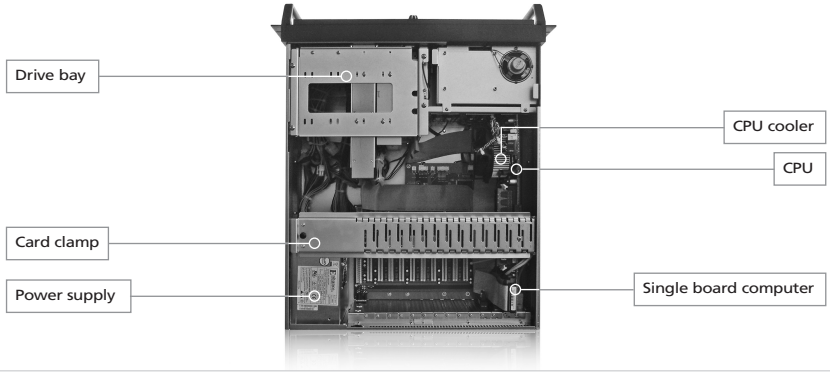
We supply both AT and ATX powered systems. AT systems have latching power switches and need to be manually switched off. The ON position is denoted by a "I", and OFF by a "O". ATX systems have a momentary push button and can be automatically shut down by most modern operating systems. To turn the unit off manually, depress and hold the power switch for four seconds. If your computer has a rear PSU power switch, this must also be switched to ON before the system can be powered.

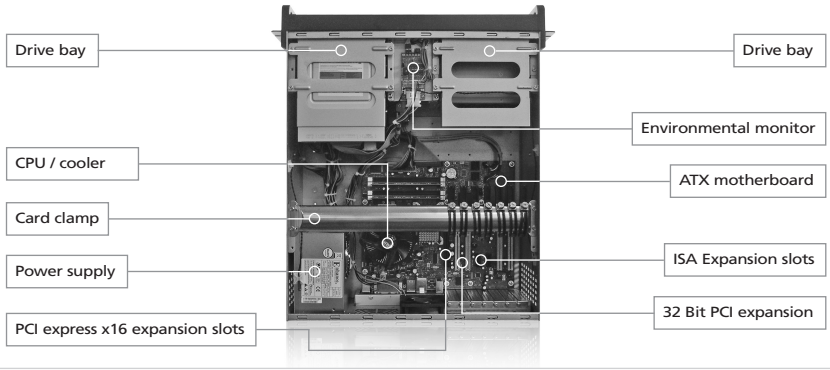
Rear Connections



Fitting ISA, PCI and PCI express

The following instructions describe the physical installation of ISA, PCI or PCI express plug-in cards. Please refer to the internal view photographs below.





- Disconnect the mains power from your system. It is recommended that you leave the power cord attached, but isolate the live mains feed from the power outlet. This method will retain a protective earth to the chassis. Use an anti-static wrist strap to avoid electrostatic discharge (ESD) damage to the system and plug-in card.
- When selecting a plug-in card, ensure that there is sufficient mechanical clearance.
- The system resource requirements for plug-in cards vary. It is recommended that you check the resources required by your card(s) are available. Please refer to the processor board manual supplied with your system.
- Remove the chassis cover retaining screws to gain access to the inside of the system.
- If your system is fitted with a card-retaining clamp, remove the screws securing it and lift it from the chassis.
- Locate the position where you wish to insert your new card and remove the screw and blanking plate.
- Insert you new card, ensuring you apply firm even pressure to the top edge of the card. Once you have ensured that the connector is fully in the respective PCI/ISA/PCI express socket, insert the bracket securing screw.
- If applicable, refit the card-retaining clamp and adjust the arm of the clamp to apply firm pressure to the top of the newly inserted card.
- Refit the chassis cover and secure in place with the retaining screws.
- For software installation, please refer to the instructions supplied with your plug-in card.
- You must check that there is sufficient power available to meet the requirements of your new card.
- Additional cards could decrease airflow within the chassis and result in raised internal case temperature.

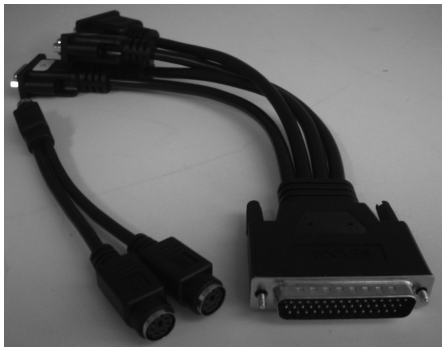
Impact-E 40 / 41 / 50 - Accesories

AC/DC Adapter

Model Number: FSP120-AAB
AC input: 100 ~ 240VAC
DC output: 19V 6.32A (max)
Packaged gross weight: Approximately 6.8kg

Cables

Serial breakout cable
PS/2 splitted - must be used when attaching a keyboard and mouse



Upgrading and Expanding the Impact-E Series

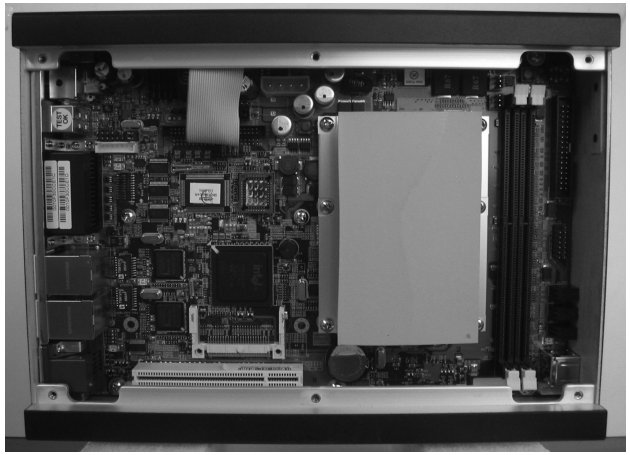
The Impact-E series are sold pre-configured as fully working systems.

To access the inside of the unit remove either the six top cover or base plate screws. Your system will come supplied with a processor and memory. We do not recommend that you replace these components without contacting us for advice.

Removing the top will give access to: -

Memory: 2 x 184-pin DIMM slots, accept DDR SDRAM
Upgradeable to: Up to 2 GB

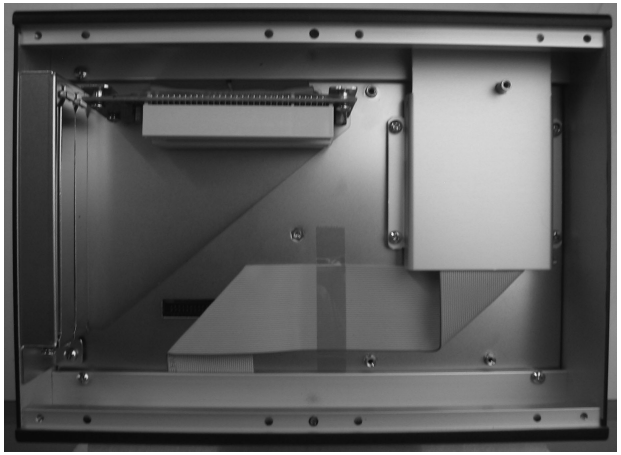
Internal CompactFlash socket



Removing the top will give access to: -

Hard drive mounting:- A 2.5” parallel IDE hard drive may be added to the system. Ensure that the heat transfer plate makes good contact with the side of the chassis when fitting.

The Impact-E 40 / 50 can accept PCI expansion cards



Regulatory Compliance

CE Marking

We have run our own fully equipped EMC Pre-compliance facility for over 10 years. This facility is used to ensure the ongoing conformance of our products to the EMC Directive (2004/108/EC).

As standard our systems meet or exceed the requirements of IT Equipment as defined in the Harmonised Product Standards for Information Technology Equipment. As the majority of our customers work within industry, most of our products meet Class A Emissions.

We can also taylor testing packages to ensure equipment meets the requirements of many other standards such as Railways or London Underground.

If you require a CE Declaration a member of our support team will be happy to provide you with a copy.

If you require additional testing or have any questions concerning product conformance, please contact our Engineering Manager.

Specifications

Electrical Ratings

Always check the ratings plate of your system for the correct specifications.

Our systems incorporate Zippy industrial power supplies (PSUs). The following models are standard for many of our systems.

Standard 460W (HP2-6460P)

Voltage:	90 ~264 VAC Full Range
Frequency:	47 ~ 63 Hz
Input Current:	7.0A for 115 VAC
	3.5A for 230 VAC
Inrush Current	65A Max for 115 VAC
	125A Max for 230 VAC

Standard 600W (PSM-6600P)

Voltage:	90 ~264 VAC Full Range
Frequency:	47 ~ 63 Hz
Input Current:	10.0A for 115 VAC
	5.0A for 230 VAC
Inrush Current	65A Max for 115 VAC
	125A Max for 230 VAC

Standard 400W+400W Redundant (MRW-6400P)

Voltage:	90 ~264 VAC Full Range
Frequency:	47 ~ 63 Hz
Input Current:	8.0A for 115 VAC
	6.4A for 230 VAC
Inrush Current	60A Max for 115 VAC
	80A Max for 230 VAC

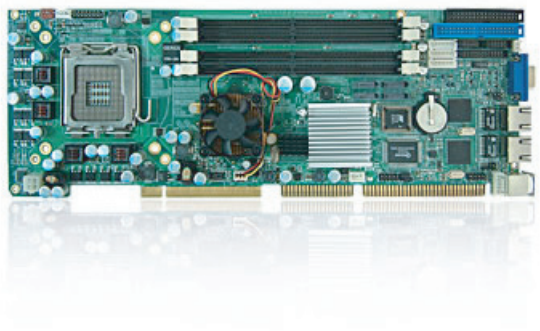
Mechanical Specifications

Ventrix Range

The Ventrix series utilise single board computer (SBC) and complementary backplane technology. All our Ventrix products have a typical life cycle of 5 years.

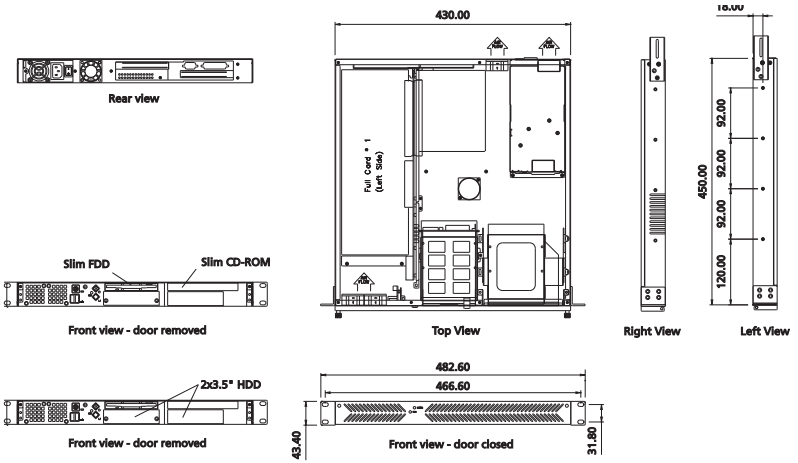
This series provides a wide performance range to meet different application needs. In addition, each model is offered with a choice of PCI/ISA/PCI express expansion options. Systems can be specially customised.

All of our Ventrix products use Intel processors supported by the Intel Embedded Roadmap



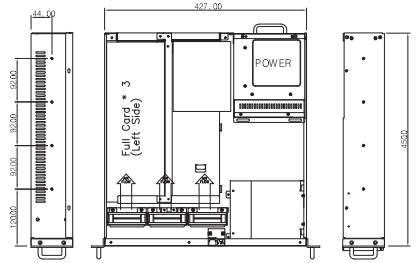
Ventrix 1xxx Series Chassis

Design: EIA RS-310C 19" Rackmount Standard
Construction: Heavy duty cold rolled electroplated steel
Colour: Black (custom colours available for large orders)
Dimensions: 483 (W) x 44 (H) x 450 (D) mm (19" x 1.7" x 17.7")
Packaging size: 615 (W) x 179 (H) x 600 (D) mm (24.2" x 7.0" x 23.6")
Total drive capacity: 1 x slim CDROM, 2 x 3.5" HDD, 1 x slim 3.5" floppy disk drive
Cooling: 3 x 40mm fan, 7 CFM each
Gross weight: approximately 8kg

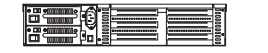


Ventrix 2xxx Series Chassis

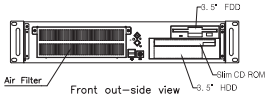
Design: EIA RS-310C 19" Rackmount Standard
Construction: Heavy duty cold rolled electroplated steel
Colour: Black (custom colours available for large orders)
Dimensions: 483 (W) x 88 (H) x 450 (D) mm (19" x 3.5" x 17.7")
Packaging size: 630 (W) x 248 (H) x 574 (D) mm (24.8" x 9.8" x 22.6")
Total drive capacity: 1 x 5.25" + 1 x 3.5" FDD, or 1 x Slim CDROM, 1 x 3.5" HDD, 1 x 3.5" FDD
Cooling: 3 x 80mm fan, 42.5 CFM each
Air filter: removable (washable)
Gross weight: approximately 20kg



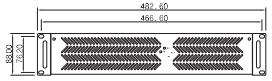
Left Inside View Top View Right View



Rear out-side view



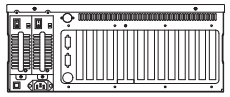
Front out-side view



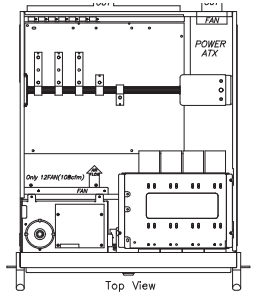
Front in-side view

Ventrix 4xxx Series Chassis

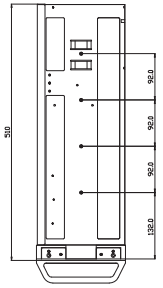
Design: EIA RS-310C 19" Rackmount Standard
Construction: Heavy duty cold rolled electroplated steel
Colour: Black (custom colours available for large orders)
Dimensions: 480 (W) x 177 (H) x 510 (D) mm (19" x 7" x 20.1")
Packaging size: 600 (W) x 345 (H) x 690 (D) mm (23.6" x 13.6" x 27.2")
Total drive capacity: 4 x 5.25" + 1 x 3.5" FDD
Cooling: 1 x 120mm fan, 108 CFM
Air filter: removable (washable)
Gross weight: approximately 20kg



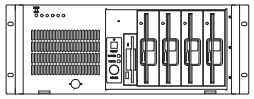
Rear view



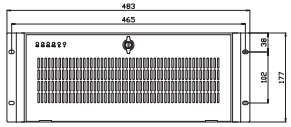
Top View



Right-side View



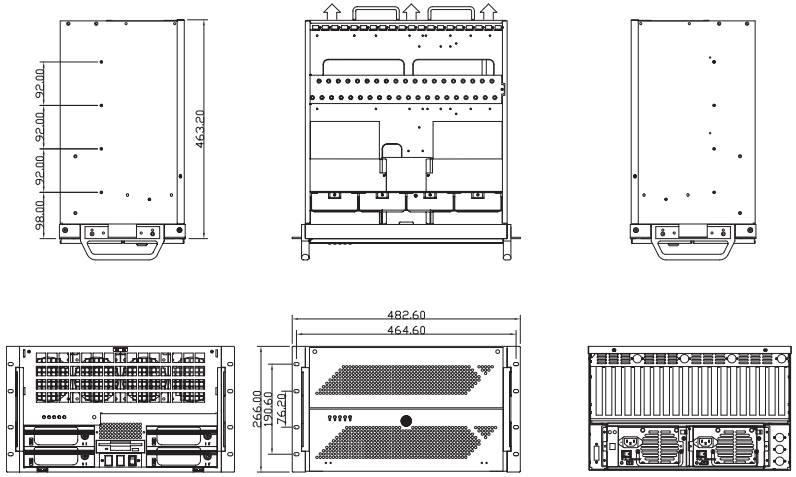
Front in-side view



Front out-side view

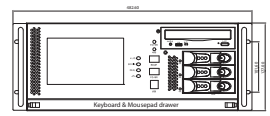
Ventrix 6xxx Series Chassis

Design: EIA RS-310C 19" Rackmount Standard
Construction: Heavy duty cold rolled electroplated steel
Colour: Black (custom colours available for large orders)
Dimensions: 483 (W) x 267 (H) x 463 (D) mm (19" x 10.5" x 18.2")
Packaging size: 610 (W) x 418 (H) x 647 (D) mm (24.0" x 16.5" x 25.5")
Total drive capacity: 4 x 5.25" + 1 x 3.5" HDD + 1 x 3.5" floppy disk drive
Cooling: 4 x 90mm fan, 90 CFM each
Air filter: removable (washable)
Gross weight: approximately 28kg

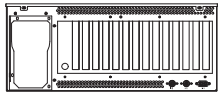


Ventrix-W 4xxx Series Chassis

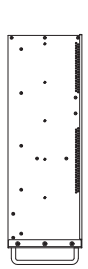
Design: EIA RS-310C 19" Rackmount Standard
Construction: Heavy duty cold rolled electroplated steel
Colour: Black (custom colours available for large orders)
Dimensions: 483 (W) x 177 (H) x 510 (D) mm (19" x 7" x 20.1")
Packaging size: 591 (W) x 340 (H) x 688 (D) mm (23.3" x 13.4" x 27.1")
Total drive capacity: 1 x 5.25" + 3 x 3.5" HDD Caddy (SATA, SAS & SCSI320 available)
Cooling: 3 x 92mm fan, 51 CFM each
Gross weight: approximately 20kg



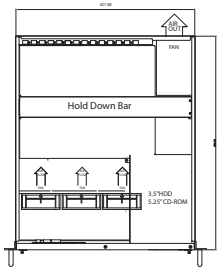
Front out-side view



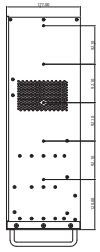
Rear out-side view



Left-side View



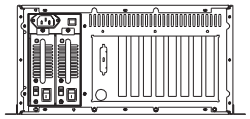
Top View



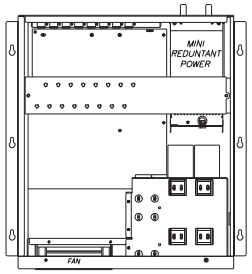
Right-side View

Ventrix 5xx Series Chassis

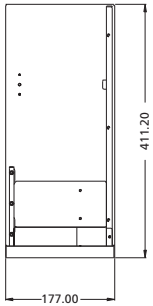
Design: Desktop or wall mount
Construction: Heavy duty cold rolled electroplated steel
Colour: Black (custom colours available for large orders)
Dimensions: 177 (W) x 350 (H) x 411 (D) mm (13.8" x 7.0" x 16.2")
Packaging size: 490 (W) x 324 (H) x 558 (D) mm (19.3" x 12.8" x 22.0")
Total drive capacity: 2 x 5.25", 1 x 3.5" HDD, 1 x 3.5" floppy disk drive
Cooling: 1 x 120mm fan, 90 CFM
Air filter: removable (washable)
Gross weight: approximately 17kg



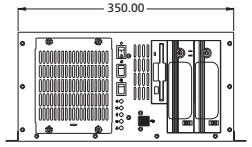
Rear View



Top View



Side View



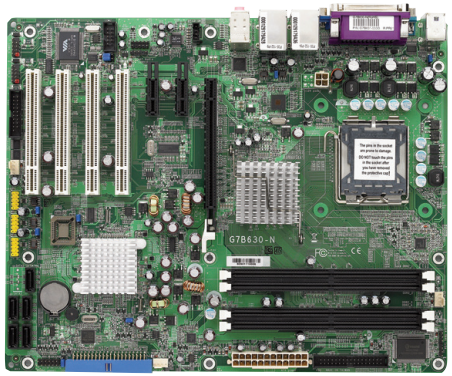
Front View

Impact / Impact-R Range

The Impact-R series incorporates DFI industrial motherboards to achieve hardware life cycles of up to five years. These models provide a wide performance range to meet different application needs.

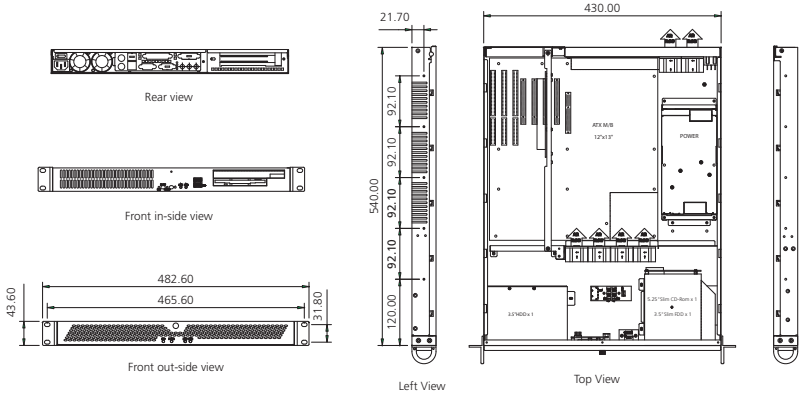
The Impact range is designed and built by Amplicon under ISO9001:2000 quality management procedures. They offer premium value and provide a bridge between business and top-end industrial systems. Every Impact is constructed in heavy-duty steel chassis, built to industrial standards.

All of our Impact-R and Impact products use Intel processors supported by the Intel Embedded Roadmap.



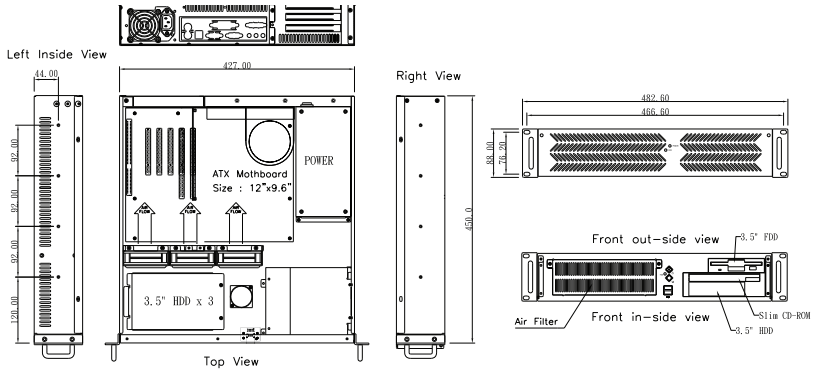
Impact / Impact-R 1xxx Series Chassis

Design: EIA RS-310C 19" Rackmount Standard
Construction: Heavy duty cold rolled electroplated steel
Colour: Black (custom colours available for large orders)
Dimensions: 483 (W) x 44 (H) x 543 (D) mm (19” x 1.7” x 21.4”)
Packaging size: 560 (W) x 185 (H) x 671 (D) mm (22.1" x 7.3" x 26.4")
Total drive capacity: 1 x Slim CD-ROM, 1 x Slim FDD external, 1 x 3.5” internal
Cooling : 6 x 40mm dual ball bearing fans (15.3CFM each)
Gross weight: approximately 12kg



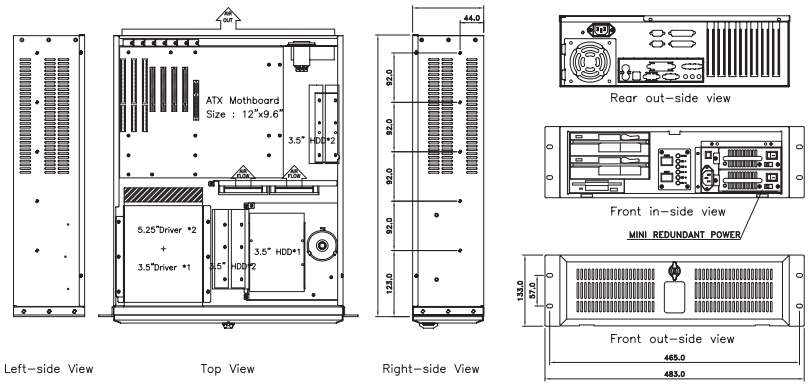
Impact / Impact-R 2xxx Series Chassis

Design: EIA RS-310C 19" Rackmount Standard
Construction: Heavy duty cold rolled electroplated steel
Colour: Black (custom colours available for large orders)
Dimensions: 483 (W) x 88 (H) x 450 (D) mm (19.0” x 3.5” x 17.7”)
Packaging size: 615 (W) x 224 (H) x 600 (D) mm (24.2" x 8.8" x 23.6")
Total drive capacity: 1 x Slim 5.25” external, 1 x 3.5” external, 4 x 3.5” internal
or 1 x 5.25” external, 1 x 3.5” external, 3 x 3.5” internal
Cooling : 3 x 80mm ball bearing fans (42.5 CFM each)
Air filter: removable (washable)
Gross weight: approximately 17kg



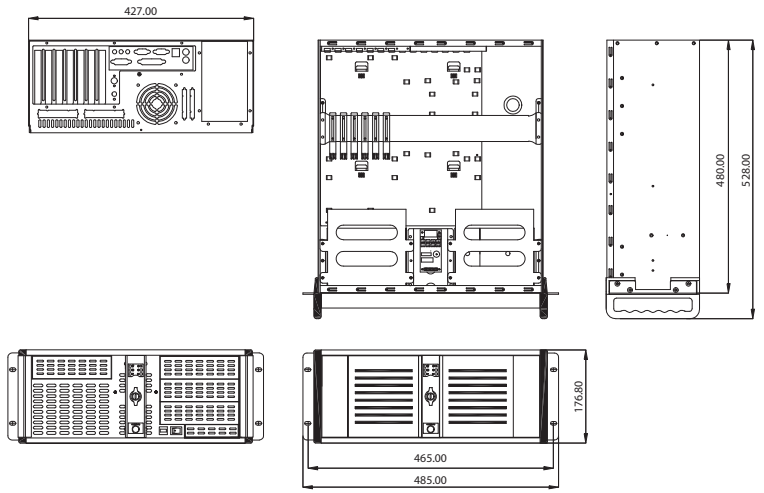
Impact / Impact-R 3xxx Series Chassis

Design: EIA RS-310C 19" Rackmount Standard
Construction: 1.2mm SECC Zinc-Coated Steel
Colour: Black (custom colours available for large orders)
Dimensions: 483 (W) x 133 (H) x 526 (D) mm (19” x 5.2” x 20.7”)
Packaging size: 588 (W) x 285 (H) x 703 (D) mm (23.1" x 11.2" x 27.7")
Total drive capacity: 2 x 5.25”, 1 x 3.5” external, 4 x 3.5” internal
Cooling : 1 x 80mm, 2 x 92mm ball bearing fan
Air filter: removable (washable)
Gross weight: approximately 18kg



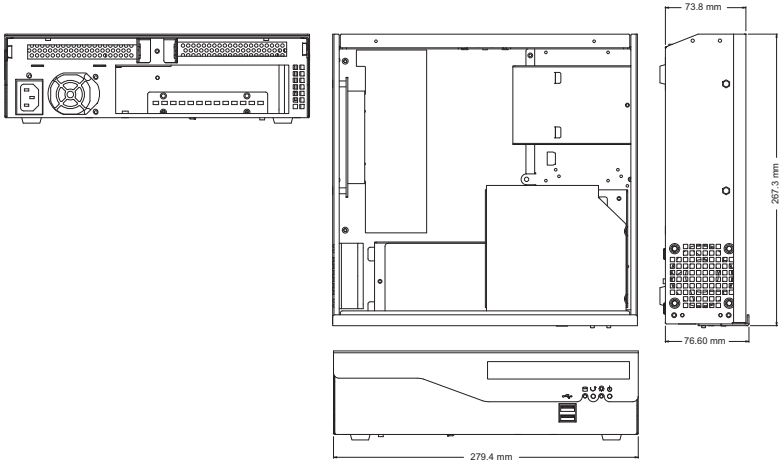
Impact / Impact-R 4xxx Series Chassis

Design: EIA RS-310C 19" Rackmount Standard
Construction: 1.2mm SECC Zinc-Coated Steel
Colour: Black (custom colours available for large orders)
Dimensions: 485 (W) x 176.8 (H) x 480 (D) mm (19.1” x 7.0” x 18.9”)
Packaging size: 541 (W) x 280 (H) x 660 (D) mm (21.3" x 11.0" x 26.0")
Total drive capacity: 4 x 5.25” external, 1 x 3.5” external, 2 x 3.5” internal
Cooling: 1 x 120mm ball bearing fan
Air filter: removable (washable)
Gross weight: approximately 20kg



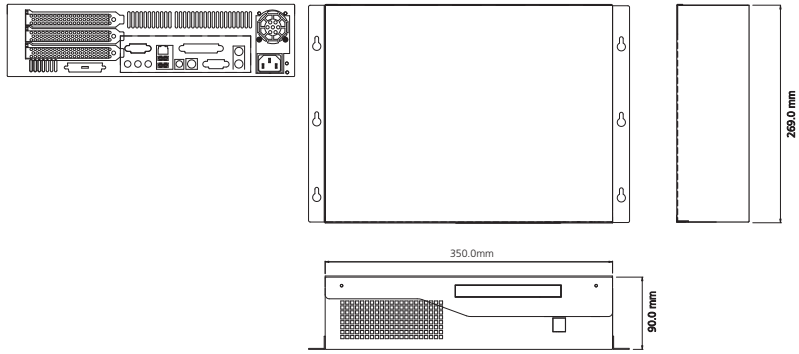
Impact-R 15x Series Chassis

Design: Compact desktop / wallmount (brackets supplied)
Construction: Heavy duty cold rolled electroplated steel
Colour: Black / Silver (custom colours available for large orders)
Dimensions: 280 (W) x 77 (H) x 268 (D) mm (11.0" x 3.0" x 10.6")
Packaging size: 373 (W) x 363 (H) x 175 (D) mm (14.7" x 14.3" x 6.9")
Total drive capacity: 1 x Slim 5.25" external, 2 x 2.5" internal
Cooling : 1 x 60mm ball bearing fan (23.5 CFM each)
Gross weight: approximately 4kg



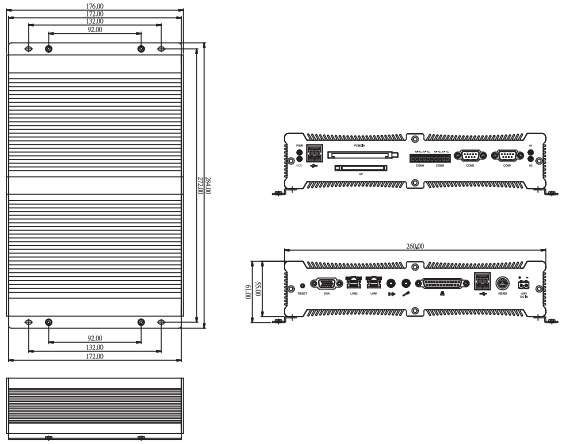
Impact-R 2xx Series Chassis

Design: Compact desktop / wallmount (brackets supplied)
Construction: Heavy duty cold rolled electroplated steel
Colour: Black / Silver (custom colours available for large orders)
Dimensions: 350 (W) x 90 (H) x 268 (D) mm (13.8" x 3.5" x 10.6")
Packaging size: 470 (W) x 390 (H) x 235 (D) mm (18.5" x 15.4" x 9.3")
Total drive capacity: 1 x Slim 5.25" external, 2 x 2.5" internal
or 1 x 3.5" internal, 1 x 2.5" internal
Cooling : 2 x 60mm ball bearing fan (23.5 CFM each)
Gross weight: approximately 6kg



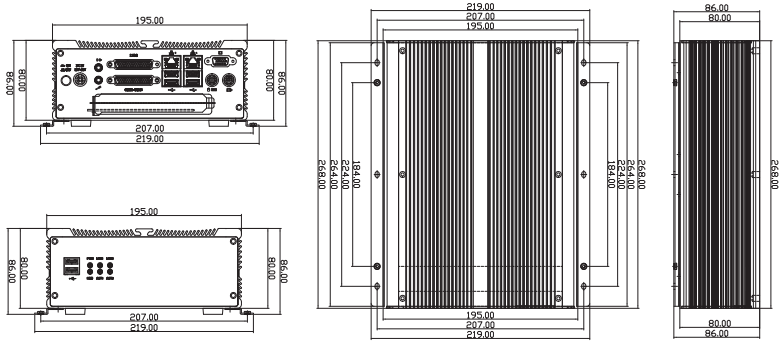
Impact-E 20

Design: Rugged compact embedded design
Cooling: Fanless design
Construction: Heavy duty aluminium
Colour: Black (custom colours available for large orders)
Dimensions: 260 (W) x 55 (H) x176 (D) mm
Packaging dimensions: 290 (W) x 180 (H) x 380 (D) mm
Gross weight: Approximately 2.5kg
Packaged gross weight: Approximately 3.4kg



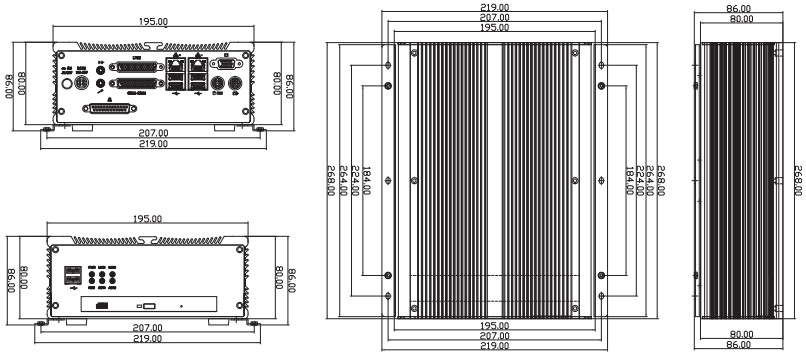
Impact-E 40

Design: Rugged compact embedded design
Cooling: Fanless design
Construction: Heavy duty aluminium
Colour: Black (custom colours available for large orders)
Dimensions: 195 (W) x 80 (H) x 268 (D) mm
Packaging dimensions: 310 (W) x 240 (H) x 360 (D) mm
Gross weight: Approximately 4.4kg
Packaged gross weight: Approximately 6.5kg



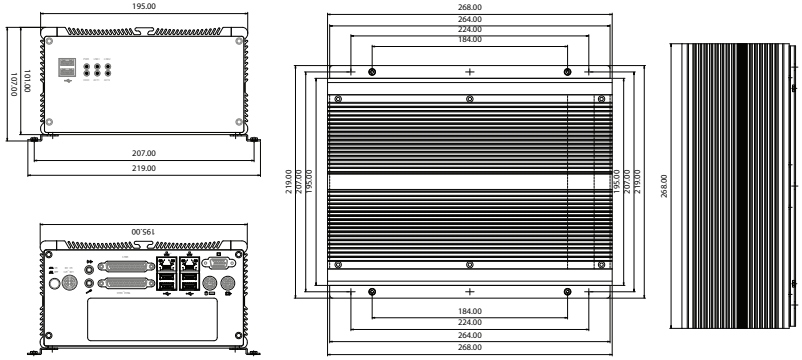
Impact-E 41

Design: Rugged compact embedded design
Cooling: Fanless design
Construction: Heavy duty aluminium
Colour: Black (custom colours available for large orders)
Dimensions: 195 (W) x 80 (H) x 268 (D) mm
Packaging dimensions: 310 (W) x 240 (H) x 360 (D) mm
Gross weight: Approximately 4.4kg
Packaged gross weight: Approximately 6.5kg



Impact-E 50

Design: Rugged compact embedded design
Cooling: Fanless design
Construction: Heavy duty aluminium
Colour: Black (custom colours available for large orders)
Dimensions: 195 (W) x 107 (H) x 268 (D) mm
Packaging dimensions: 310 (W) x 240 (H) x 360 (D) mm
Gross weight: Approximately 4.7kg
Packaged gross weight: Approximately 6.8kg



Maintenance

Modern computer systems can generate a large amount of heat within the chassis. The internal temperature of the chassis is kept within operating limits by forced air cooling. Most systems have a number of fans, which must be maintained to allow free airflow. Some of our chassis have air intake fan filters, which prevent contaminants from entering the inside of your system.

Preventative Maintenance

Caution

Blocked fan filters may result in your system overheating and being damaged

· Clean the fan filters periodically to ensure that the air circulating in the unit is clean. Wash the filter with warm soapy water and let it dry naturally. Do not scrub the filter and do not install it into the unit until it is completely dry.

· Base your maintenance schedule on the operating environment of the system. If the area is dusty, you should schedule maintenance more often than if it is a dry, clean area. Check the filter often to determine if it needs to be changed ahead of schedule.

· Remove dust and dirt from system components. If dust builds up on heat sinks and circuitry, an obstruction of heat dissipation could cause the unit to malfunction. If dust reaches the electronic boards, a short circuit could occur.

· Check the connections to input/output modules, especially in environments where vibration could loosen the connections, and see that all plugs, sockets, terminal strips and module connections are secure.

· Ensure that air intake and exhaust points are free from obstructions.

· Stock spare parts to minimise down time resulting from part failure. Whether it is a custom or off-the-shelf spares package, we can provide a solution.

Product Repair / Returning a Unit to Amplicon

If you are encountering technical difficulties with your system, please contact our Technical Support Team. Free technical support is provided throughout the warranty period of the product. You can reach our Technical Support Team during the hours of 08:30 to 17:30 GMT via:

· Telephone: +44 (0) 1273 608331
· Fax: +44 (0) 1273 570 215
· Web: www.amplicon.co.uk
· Email: support@amplicon.co.uk

An online support request form is available form our website.

When calling please ensure that you have your company details and purchase order details to hand.

No goods should be sent back to Amplicon Liveline Limited without obtaining a Returns Materials Authorisation (RMA) number prior to shipment.

Terms and Conditions

Our **Terms and Conditions** are available to view or download at the following link : -
http://www.amplicon.co.uk/terms.pdf

Onsite maintenance

This chapter is only applicable to systems supplied with one of our onsite maintenance contracts.

Before requesting an onsite visit, you must discuss your problem with a member of our Technical Support Team. If we are unable to resolve your problem over the phone, we will arrange an onsite visit in line with our Maintenance Service Terms and Conditions of Service.

When wishing to arrange a visit, please ensure you have the correct and full address details to hand.

Please ensure you read our Terms and Conditions which cover our Onsite Maintenance.

End of Life Processing

The requirements of WEEE (Waste Electrical and Electronic Equipment) apply to this product. You, the customer, are the final user as defined by this Regulation. If you purchase replacement equipment from Amplicon, we shall bear the cost of removal and proper disposal of this product.

Amplicon's WEEE Producer Registration Number is available on our website:
http://www.amplicon.co.uk/weee.cfm

Required Tools For Dismantling

No. 1 Phillips screwdriver
Nut spinner 5mm
Light gauge wire cutters

Dismantling Procedure

Our systems can easily be dismantled using the tools listed. All mechanical fixings are made by M2, M3 and M4 screws or threaded posts. Wire cutters are required to cut the plastic cable ties and any other plastic cable management.

Locate the top cover and remove the securing screws. Once the cover is removed you will be able to see within the unit.

The system can easily be broken down into the following components: -

Metal chassis parts (electron galvanised steel)
Printed circuit board assemblies (fibreglass PCB material)
Chassis fans (Plastic resin and electronic components)

Some systems are fitted with batteries such as lithium used for system CMOS backup. Make sure these are removed in the first instance and disposed of in an appropriate manner. Batteries will be either retained by a quick release clip, or soldered in place. If they are soldered, they should be removed by cutting the component legs.

Amplicon

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IT and instrumentation for industry

The information contained has been reviewed and is believed to be accurate and reliable, however Amplicon Liveline Limited accepts no responsibility for any problems caused by errors or omissions. Specifications and instructions are subject to change without notice.

Computer User Guide Part No 85040046 Issue D. Amplicon Liveline Limited
Prepared by R Cobden, Engineering Manager